

Title (en)
APPARATUS FOR FILLING SPECIFIED AMOUNT OF LIQUID

Publication
EP 0303331 B1 19920311 (EN)

Application
EP 88201722 A 19880811

Priority
• JP 20225887 A 19870813
• JP 20225987 A 19870813
• JP 20226087 A 19870813

Abstract (en)
[origin: EP0303331A1] An apparatus for filling a specified amount of liquid comprising a metering cylinder (14) having a piston (13) therein, a vertical filling nozzle (15) having an open lower end (31) and feedable with a liquid from the metering cylinder by the operation of the piston, a damper (16) for opening and closing the open lower end of the filling nozzle, a spring (19, 20) biasing the damper to hold the nozzle end closed with the damper while the feed of the liquid is discontinued, and opening means (48) adapted to open the damper against the spring simultaneously with or immediately before the start of feed of the liquid with the damper closed and to be subsequently brought out of operative relation with the damper before the feed of the liquid is discontinued so as to render the damper closable by the spring.

IPC 1-7
B65B 39/00; **B67C 3/28**

IPC 8 full level
B65B 39/00 (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP US)
B65B 39/002 (2013.01 - EP US); **B67C 3/28** (2013.01 - EP US)

Cited by
EP0389065A1; CN115416885A

Designated contracting state (EPC)
CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 0303331 A1 19890215; **EP 0303331 B1 19920311**; DE 3869014 D1 19920416; US 4982770 A 19910108

DOCDB simple family (application)
EP 88201722 A 19880811; DE 3869014 T 19880811; US 47714390 A 19900208